

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 2867-164

First Inventor Kelvin Kai Tuan Yan et al.

Title DC OFFSET CORRECTION USING UNUSED LNA

Express Mail Label No. EV086421158US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 18]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Pages 3]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63 (d))
 (for a continuation/divisional with Box 18 completed)
 i. DELETION OF INVENTOR(S)
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 a. Computer Readable Form (CRF)
 b. Specification Sequence Listing on:
 i. CD-ROM or CD-R (2 copies); or
 ii. paper
 c. Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 C.F.R. §3.73(b) Statement Power of (when there is an assignee) Attorney
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____ / _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	27820	<input type="checkbox"/> Correspondence address below
---	-------	---

(Insert Customer No. or Attach bar code label here)

Name				
Address				
City	State		Zip Code	
Country	Telephone		Fax	

Name (Print/Type)	Benjamin S. Withrow	Registration No. (Attorney/Agent)	40,876
Signature		Date	August 25, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

22389 U.S. PTO
10/64775

08/25/03

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003

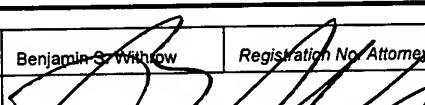
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 964

Complete If Known	
Application Number	
Filing Date	
First Named Inventor	Yan et al.
Examiner Name	
Group / Art Unit	
Attorney Docket No.	2867-164

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																	
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <input type="text" value="50-1732"/></p> <p>Deposit Account Name <input type="text" value="Withrow & Terranova, PLLC"/></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>2051</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>2052</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>1053</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>1812</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>1804</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>2251</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>2252</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>2253</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>2254</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>Petition to revive – unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>Petition to revive – unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>Processing fee for provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>1809</td><td>750</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="2">SUBTOTAL (3) (\$ 40)</td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1051	2051	Surcharge - late filing fee or oath		1052	2052	Surcharge - late provisional filing fee or cover sheet.		1053	1053	Non-English specification		1812	1812	For filing a request for reexamination		1804	1804	Requesting publication of SIR prior to Examiner action		1805	1,840*	Requesting publication of SIR after Examiner action		1251	2251	Extension for reply within first month		1252	2252	Extension for reply within second month		1253	2253	Extension for reply within third month		1254	2254	Extension for reply within fourth month		1255	1,970	Extension for reply within fifth month		1401	320	Notice of Appeal		1402	320	Filing a brief in support of an appeal		1403	280	Request for oral hearing		1451	1,510	Petition to institute a public use proceeding		1452	110	Petition to revive – unavoidable		1453	1,300	Petition to revive – unintentional		1501	1,300	Utility issue fee (or reissue)		1502	470	Design issue fee		1503	630	Plant issue fee		1460	130	Petitions to the Commissioner		1807	50	Processing fee for provisional applications		1806	180	Submission of Information Disclosure Stmt		8021	40	Recording each patent assignment per property (times number of properties)	40	1809	750	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	750	For each additional invention to be examined (37 CFR § 1.129(b))		1801	750	Request for Continued Examination (RCE)		1802	900	Request for expedited examination of a design application		Other fee (specify) _____				*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$ 40)	
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																		
1051	2051	Surcharge - late filing fee or oath																																																																																																																																			
1052	2052	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																			
1053	1053	Non-English specification																																																																																																																																			
1812	1812	For filing a request for reexamination																																																																																																																																			
1804	1804	Requesting publication of SIR prior to Examiner action																																																																																																																																			
1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																			
1251	2251	Extension for reply within first month																																																																																																																																			
1252	2252	Extension for reply within second month																																																																																																																																			
1253	2253	Extension for reply within third month																																																																																																																																			
1254	2254	Extension for reply within fourth month																																																																																																																																			
1255	1,970	Extension for reply within fifth month																																																																																																																																			
1401	320	Notice of Appeal																																																																																																																																			
1402	320	Filing a brief in support of an appeal																																																																																																																																			
1403	280	Request for oral hearing																																																																																																																																			
1451	1,510	Petition to institute a public use proceeding																																																																																																																																			
1452	110	Petition to revive – unavoidable																																																																																																																																			
1453	1,300	Petition to revive – unintentional																																																																																																																																			
1501	1,300	Utility issue fee (or reissue)																																																																																																																																			
1502	470	Design issue fee																																																																																																																																			
1503	630	Plant issue fee																																																																																																																																			
1460	130	Petitions to the Commissioner																																																																																																																																			
1807	50	Processing fee for provisional applications																																																																																																																																			
1806	180	Submission of Information Disclosure Stmt																																																																																																																																			
8021	40	Recording each patent assignment per property (times number of properties)	40																																																																																																																																		
1809	750	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																			
1810	750	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																			
1801	750	Request for Continued Examination (RCE)																																																																																																																																			
1802	900	Request for expedited examination of a design application																																																																																																																																			
Other fee (specify) _____																																																																																																																																					
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$ 40)																																																																																																																																	
<p>2. BASIC FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>Utility filing fee</td><td>750</td></tr> <tr><td>1002</td><td>330</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>(\$ 750)</td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1001	750	Utility filing fee	750	1002	330	Design filing fee		1003	520	Plant filing fee		1004	750	Reissue filing fee		1005	160	Provisional filing fee		SUBTOTAL (1)			(\$ 750)	<p>2. EXTRA CLAIM FEES</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Multiple Dependent</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>25</td><td>-20**</td><td>= 5</td><td>X 18</td><td>= 90</td><td></td></tr> <tr><td>4</td><td>-3**</td><td>= 1</td><td>X 84</td><td>= 84</td><td></td></tr> <tr><td></td><td></td><td></td><td>X</td><td>= 0</td><td></td></tr> <tr> <td colspan="3"></td> <td colspan="3">SUBTOTAL (2) (\$ 174)</td> </tr> </tbody> </table>				Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid	25	-20**	= 5	X 18	= 90		4	-3**	= 1	X 84	= 84					X	= 0					SUBTOTAL (2) (\$ 174)																																																																						
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																		
1001	750	Utility filing fee	750																																																																																																																																		
1002	330	Design filing fee																																																																																																																																			
1003	520	Plant filing fee																																																																																																																																			
1004	750	Reissue filing fee																																																																																																																																			
1005	160	Provisional filing fee																																																																																																																																			
SUBTOTAL (1)			(\$ 750)																																																																																																																																		
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid																																																																																																																																
25	-20**	= 5	X 18	= 90																																																																																																																																	
4	-3**	= 1	X 84	= 84																																																																																																																																	
			X	= 0																																																																																																																																	
			SUBTOTAL (2) (\$ 174)																																																																																																																																		

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY						Complete (if applicable)
Name (Print/Type)	Benjamin S. Withrow		Registration No. Attorney/Agent)	40,876	Telephone	(919) 654-4520
Signature					Date	August 25, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, USPTO, PO Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING/EXPRESS MAIL

"Express Mail" Mailing Label Number EV086421158US

Date of Deposit August 25, 2003

I hereby certify that this paper, which is a Utility Patent Application entitled **DC**
OFFSET CORRECTION USING UNUSED LNA (our file 2867-164), and the attached fee
are being deposited with the United States Postal Service "Express Mail Post Office to
Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the
Commissioner for Patents, Mail Stop Patent Application, PO Box 1450, Alexandria, VA 22313-
1450.

Mailed By:


Kelly A. Farrow

EV086421158US

**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor Yan et al.

Title DC OFFSET CORRECTION USING UNUSED LNA

Atty Docket Number 2867-164

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

August 25, 2003

Date



Signature

Benjamin S. Withrow, Reg. No. 40,876

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, USPTO, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.